

IN THE CLAIMS

Please amend the claims, as follows:

1. (Once amended) An optical system, comprising:

a broadband source for providing a broadband optical signal;  
and

a chirped Bragg grating etalon, responsive to the broadband optical signal, for providing a chirped Bragg grating etalon optical signal having a precise set of ~~the~~ optical reference signals.

17. (Added) An optical source according to claim 16, wherein the desired filter profile includes a precise set of optical reference signals.

18. (Added) An optical source according to claim 17, wherein the precise set of the optical reference signals includes a series of peaks covering most of a source spectral width of the broadband source.

19. (Added) An optical source according to claim 18, wherein the broadband source has a spectrum and the power at the beginning and end of the spectrum is passed substantially unaffected by the etalon.

20. (Added) An optical source according to claim 1, wherein the precise set of the optical reference signals includes a series of peaks covering most of a source spectral width of the broadband source; and

the broadband source has a spectrum and the power at the beginning and end of the spectrum is passed substantially unaffected by the chirped Bragg grating etalon.